

WHAT I CLAIM IS:

SUB A¹

1. Apparatus for indicating the intensity of brake pressure application in a vehicle having an electrical system and a brake light and a brake pedal comprising in combination:

means for measuring the intensity of brake pressure applied to the brake pedal;

5 means for providing an output signal in the electrical system in response to the

means for measuring the intensity of brake pressure; and

a plurality of lights sequentially illuminated in response to the output signal.

2. The apparatus of claim 1 in which the means for measuring the intensity of brake pressure includes a potentiometer connected to the brake pedal for providing an output responsive to movement of the brake pedal.

3. The apparatus of claim 1 in which the means for measuring the intensity of brake pressure includes a brake hose and a strain gauge sensor for sensing expansion of the brake hose in response to the intensity of brake pressure.

2 ~~4~~. The apparatus of claim 1 which further includes a switch connected to the electrical system and actuated by movement of the brake pedal for providing electrical current to illuminate the brake light and the plurality of lights.

3 ~~5~~. The apparatus of claim ²~~4~~ in which the plurality of lights are light emitting diodes.

4 ~~6~~. The apparatus of claim ²~~4~~ in which the plurality of lights comprises a ladder of lights arranged vertically for indicating the intensity of brake pressure applied to the brake pedal.